# EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 30398 | OLED or organic light emitting (diode or device) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 15:07 |
| S2 | 1412 | "4539507" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 15:10 |
| S3 | 2 | ("4539507").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/11/03 15:11 |
| S4 | 2 | ("20020085187").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/11/03 15:14 |
| S5 | 9946 | (313/483,494,498,499,503,504,506,509).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/11/03 15:20 |

| S6 | 3370 | S1 and S5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 15:20 |
| S7 | 857106 | S6 and (back same surface) or (front same surface) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 15:21 |
| S8 | 242 | S6 and (back same surface) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 15:21 |
| S9 | 165843 | S6 and (back same surface) or back surface | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 15:21 |
| S10 | 67 | S6 and back surface | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 15:21 |
| S11 | 32 | S6 and (front surface and back surface) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 15:23 |
| S12 | 33 | S6 and microlens | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 15:26 |

| S13 | 41 | S6 and (microlen or micro len or micro-len) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 15:26 |
|---|---|---|---|---|---|---|
| S14 | 1 | S6 and light coupling layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 15:50 |
| S15 | 14 | S6 and coupling layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 15:51 |
| S16 | 30398 | OLED or organic light emitting (diode or device) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 16:44 |
| S17 | 9946 | (313/483,494,498,499,503,504,506,509).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/11/03 16:44 |
| S18 | 3370 | S16 and S17 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 16:44 |
| S20 | 6 | S18 and microlens and radius | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 16:45 |

| S21 | 3 | S18 and microlens and refractive$1index | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 16:47 |
| S22 | 8 | S18 and refractive$1index | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 16:47 |
| S23 | 86738 | ("313").CLAS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/11/03 16:48 |
| S24 | 3839 | S16 and S23 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 16:48 |
| S25 | 8 | S24 and refractive$1index | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 16:48 |
| S26 | 180 | S24 and (front surface or back surface) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 16:49 |
| S27 | 46 | S24 and microlen | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 16:50 |

| S28 | 12 | ("5300263" \| "5703436" \| "5707745" \| "5796509" \| "5948281" \| "6245393" \| "6303238" \| "6337102").PN. OR ("6984934").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/11/03 16:57 |
|-----|-----|---|---|---|---|---|
| S29 | 14 | S24 and micro-len | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/03 16:59 |
| S30 | 0 | jp "10" "172756" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/27 10:30 |
| S31 | 1 | jp10172756 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/27 10:30 |
| S32 | 30683 | (len or micro$1len) and (light emit$4) and (index near2 refract$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/27 12:59 |
| S33 | 10448 | (313/483,494,498,499,503,504,506,509).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/27 13:00 |
| S34 | 291 | S33 and S32 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/27 13:00 |

| S35 | 73 | S34 and OLED | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/27 13:01 |
|-----|----|--------------|--------------------------------------------|-----|-----|------------------|
| S36 | 12 | ("2003/0020399").URPN. | USPAT | ADJ | ON | 2009/02/27 13:03 |
| S37 | 2 | ("6984934").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/27 13:16 |
| S38 | 12 | ("5300263" \| "5703436" \| "5707745" \| "5796509" \| "5948281" \| "6245393" \| "6303238" \| "6337102").PN. OR ("6984934").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/27 13:16 |
| S39 | 3 | S38 and (len or micro$1len) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/27 13:17 |
| S40 | 7 | ("5300263" \| "5370768").PN. OR ("5948281").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/27 13:18 |
| S41 | 16 | ("20010026322" \| "20050035377" \| "4667092" \| "5239412" \| "5948281" \| "5997756" \| "6008511" \| "6163407" \| "6274917" \| "6362498" \| "6518640" \| "6569703" \| "6690049" \| "7019373" \| "7049168" \| "7081998").PN. OR ("7474350").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/27 13:18 |
| S42 | 75 | ("1943995" \| "3018313" \| "3383676" \| "3984583" \| "4129628" \| "4667092" \| "4695719" \| "4807978" \| "5104435").PN. OR ("5239412").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/27 13:21 |
| S43 | 16 | ("20010026322" \| "20050035377" \| "4667092" \| "5239412" \| "5948281" \| "5997756" \| "6008511" \| "6163407" \| "6274917" \| "6362498" \| "6518640" \| "6569703" \| "6690049" \| "7019373" \| "7049168" \| "7081998").PN. OR ("7474350").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/27 13:22 |

| S44 | 22 | ("20010036561" \| "20020061418" \| "20030011303" \| "4539507" \| "4720432" \| "4885211" \| "5130603" \| "5151629" \| "5227252" \| "5247190" \| "5317169" \| "5382477" \| "5409783" \| "5514878" \| "5554911" \| "5672678" \| "5855994" \| "5994835" \| "6093864" \| "6125226" \| "6339289" \| "6406801").PN. OR ("7355339"). URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/27 14:01 |
|-----|-----|-----|-----|-----|-----|-----|
| S45 | 28242 | (len or micro$1len) and (light emit$4) and (curvature or radius) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/27 14:02 |
| S46 | 87794 | ("313").CLAS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/27 14:03 |
| S47 | 456 | S45 and S46 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/27 14:03 |
| S48 | 31999 | organic light emit$4 (device or diode) or oled.U/C. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/27 14:04 |
| S49 | 48 | S47 and S48 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/27 14:04 |
| S52 | 4 | ("2004/0007969").URPN. | USPAT | ADJ | ON | 2009/02/27 14:06 |
| S53 | 4 | ("2004/0007969").URPN. | USPAT | ADJ | ON | 2009/02/27 14:10 |

| S54 | 13 | ("20020015562" \| "20030020399" \| "20030127973" \| "20040070004" \| "20040086746" \| "20040104672" \| "20040113550" \| "20050077820" \| "5994835" \| "6104137" \| "6191764" \| "6472817" \| "6831407").PN. OR ("7432649").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/27 14:12 |
|---|---|---|---|---|---|---|
| S55 | 7 | ("5546413" \| "5703436" \| "5994835" \| "6160828").PN. OR ("6472817").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/27 14:14 |
| S56 | 27 | ("20010019782" \| "20030020399" \| "4769292" \| "5061569" \| "5247190" \| "5371434" \| "5618626" \| "5703436" \| "5707745" \| "5814416" \| "5834893" \| "5844363" \| "5936347" \| "5955837" \| "6013982" \| "6087196" \| "6091195" \| "6097147" \| "6125226" \| "6294398" \| "6303238" \| "6337102" \| "6468819" \| "6489638" \| "6501217" \| "6566805" \| "6703780").PN. OR ("7053547").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/27 14:16 |
| S57 | 21 | ("3385992" \| "3976877" \| "4047075" \| "4578615" \| "4599537" \| "5043716" \| "5066889" \| "5258690").PN. OR ("5371434").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/27 14:20 |
| S58 | 15 | ("20030089914" \| "20040109629" \| "20040256628" \| "20050036319" \| "20060102914" \| "5093768" \| "5371434" \| "6034819" \| "6065845" \| "6196691" \| "6379017" \| "6680491" \| "6976779" \| "7059728").PN. OR ("7207706").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/27 14:21 |
| S59 | 188 | ("2864771" \| "3163530" \| "3567932" \| "4539507" \| "4720432" \| "4769292" \| "4775820" \| "4885211" \| "4950950" \| "5047687" \| "5059861" \| "5059862" \| "5061569" \| "5073446").PN. OR ("5151629").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/27 14:23 |
| S60 | 1674 | "313/512".CCLS. | US-PGPUB; USPAT | ADJ | ON | 2009/03/04 14:10 |
| S61 | 2097 | light emit$4 and pixel and microlen | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/03/04 14:11 |

| S62 | 5 | S60 and S61 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/03/04 14:11 |
| S63 | 8 | ("2004/0217702").URPN. | USPAT | ADJ | ON | 2009/03/04 14:14 |
| S64 | 0 | ("2007/0278949").URPN. | USPAT | ADJ | ON | 2009/03/04 14:15 |
| S65 | 5 | ("20040027062" | "4142781" | "4298802" | "5815228" | "6765348").PN. OR ("7495384").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 14:16 |
| S66 | 69 | S61 and "313"/.CLAS. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 14:18 |
| S67 | 2 | light emit$4 and pixel and micro$1len | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/03/04 14:26 |
| S68 | 33188 | light emit$4 and pixel and len | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/03/04 14:27 |
| S69 | 16646 | S68 and substrate | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/03/04 14:27 |
| S70 | 1688 | encapsulat$5 and S69 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/03/04 14:28 |

| S71 | 19 | S70 and S60 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/03/04 14:28 |
| S72 | 18524 | micro$1len or mircrolen or fresnel len | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/03/04 14:59 |
| S73 | 12 | S72 and S60 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/03/04 14:59 |
| S74 | 70504 | "313"/.CLAS. | US-PGPUB; USPAT | ADJ | ON | 2009/03/04 14:59 |
| S75 | 110 | S72 and S74 | US-PGPUB; USPAT | ADJ | ON | 2009/03/04 14:59 |
| S76 | 3 | ("20020050958" \| "5294870" \| "6166489").PN. OR ("7301273").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 15:09 |
| S77 | 2 | "20030020399" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 15:16 |
| S78 | 12 | ("2003/0020399").URPN. | USPAT | ADJ | ON | 2009/03/04 15:16 |
| S79 | 27 | ("20010019782" \| "20030020399" \| "4769292" \| "5061569" \| "5247190" \| "5371434" \| "5618626" \| "5703436" \| "5707745" \| "5814416" \| "5834893" \| "5844363" \| "5936347" \| "5955837" \| "6013982" \| "6087196" \| "6091195" \| "6097147" \| "6125226" \| "6294398" \| "6303238" \| "6337102" \| "6468819" \| "6489638" \| "6501217" \| "6566805" \| "6703780").PN. OR ("7053547").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 15:17 |
| S80 | 0 | radius of curvature | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 15:30 |

| S81 | 0 | radius of curvature | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 15:30 |
|-----|---|---------------------|------------------------|-----|-----|-------------------|
| S82 | 128232 | radius near3 curvature | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 15:30 |
| S83 | 1342 | S82 and (microlen or micro$1len) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 15:31 |
| S84 | 12 | S83 and S74 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 15:31 |
| S85 | 0 | ("2008/0079355").URPN. | USPAT | ADJ | ON | 2009/03/04 15:32 |
| S86 | 1 | ("2005/0067944").URPN. | USPAT | ADJ | ON | 2009/03/04 16:28 |
| S87 | 1 | ("2005/0067944").URPN. | USPAT | ADJ | ON | 2009/03/04 16:33 |
| S88 | 7 | ("20020145807" \| "20040226929" \| "20050067944" \| "5694246" \| "5707684" \| "6734031" \| "6814901").PN. OR ("7265907").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 16:33 |
| S89 | 660 | light emitting array | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 16:34 |
| S90 | 23 | S89 and (microlen or micro$1len)\ | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 16:35 |
| S91 | 23 | S89 and (microlen or micro$1len) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 16:35 |
| S92 | 1892 | array and light emit$4 and (microlen or micro$1len) and pixel | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 16:36 |
| S93 | 47 | S92 and S74 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 16:37 |
| S94 | 4 | ("2005/0088079").URPN. | USPAT | ADJ | ON | 2009/03/04 16:38 |
| S95 | 3 | ("2004/0189185").URPN. | USPAT | ADJ | ON | 2009/03/04 16:40 |
| S96 | 4 | ("4387961" \| "6046543" \| "6091384" \| "6229160").PN. OR ("7325943").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 16:42 |

| S97 | 1 | ("6721077").PN. OR ("6934064").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 16:45 |
| S98 | 8 | ("4667092" \| "5466926" \| "6831311").PN. OR ("7084472"). URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 16:47 |
| S99 | 10 | ("20040147059" \| "20060145224" \| "20060292734" \| "20070238034" \| "5396090" \| "6043481" \| "6933167" \| "7084472" \| "7264976" \| "7279354").PN. OR ("7413923"). URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 16:48 |
| S100 | 7 | ("5172206").PN. OR ("5396090").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 16:49 |
| S101 | 63 | ("4024397" \| "4395629" \| "4410804" \| "4467195" \| "4523102" \| "4528446").PN. OR ("4667092").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/03/04 16:50 |
| S102 | 2 | (("4539507") or ("20020085187")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/16 12:27 |
| S103 | 1 | ("2002/0085187").URPN. | USPAT | ADJ | ON | 2009/12/16 12:55 |

**EAST Search History (Interference)**

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**12/17/2009 4:35:24 PM**
**C:\Documents and Settings\blee5\My Documents\EAST\Workspaces\10591363B.wsp**